



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

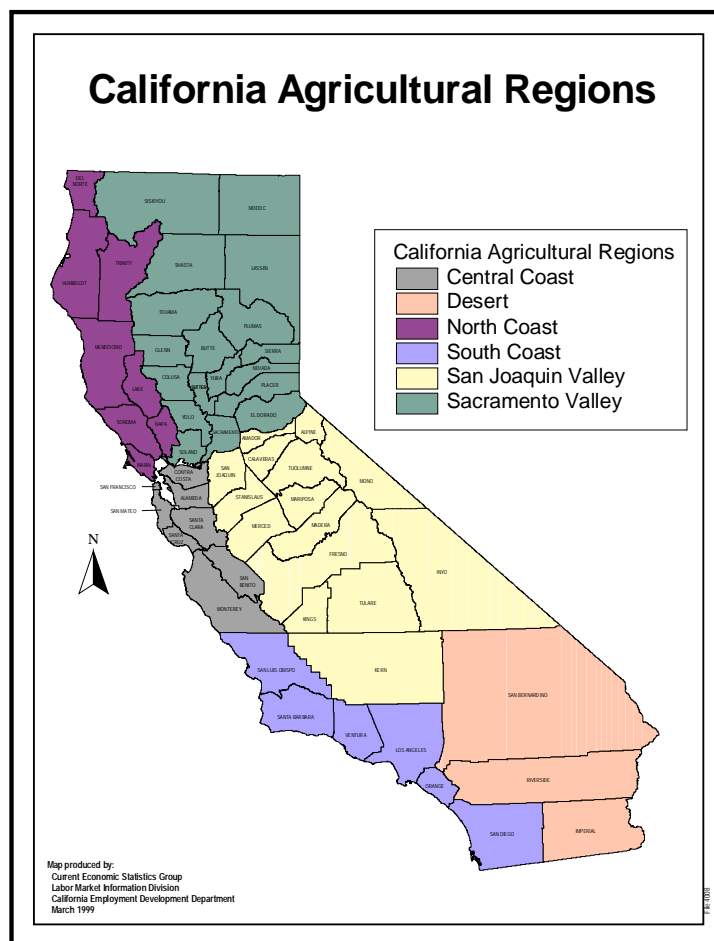
August 1999
(Internet Version)

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Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Introduction

The August 1999 issue is the eighth California Agricultural Bulletin produced since December 1996. Prior to January 1997, the U.S. Department of Agriculture (USDA) and the Employment Development Department (EDD) conducted separate, overlapping agricultural labor surveys.

Beginning with January 1997 data, EDD in cooperation with the USDA and through a grant from the U.S. Department of Labor has instituted new methods to estimate current agricultural employment, as well as earnings and hours worked based on sampling according to a probabilistic model of selection. EDD will continue to benchmark agricultural employment data yearly. As a result of changes in sampling and estimating procedures, farm employment data prior to January 1997 may not be strictly comparable to current estimates.

Summary

California agricultural employment for August 1999 registered an increase of 7,000 jobs from the previous month, a gain of one percent. All of the increase was posted in Agricultural Services. A seasonal increase in agricultural employment for the month of August is normal. From July 1999 to August 1999, Production/Crops registered a decrease of 29,900 jobs, a loss of 11 percent. Production/Livestock decreased by 4,000, a loss of 13 percent. Agricultural Services registered an increase of 40,900 jobs, a gain of 22 percent. Total California Agricultural Employment for August 1999 declined 2,800 jobs from the August 1998 level. The change in California agricultural employment from July 1998 to August 1998 was an increase of 10,600 jobs.

The San Joaquin Valley Region registered an increase of 23,300 jobs from July 1999 to August 1999. Agricultural Services, in this region, increased by 22 percent while Agricultural Production decreased four percent from the previous month.

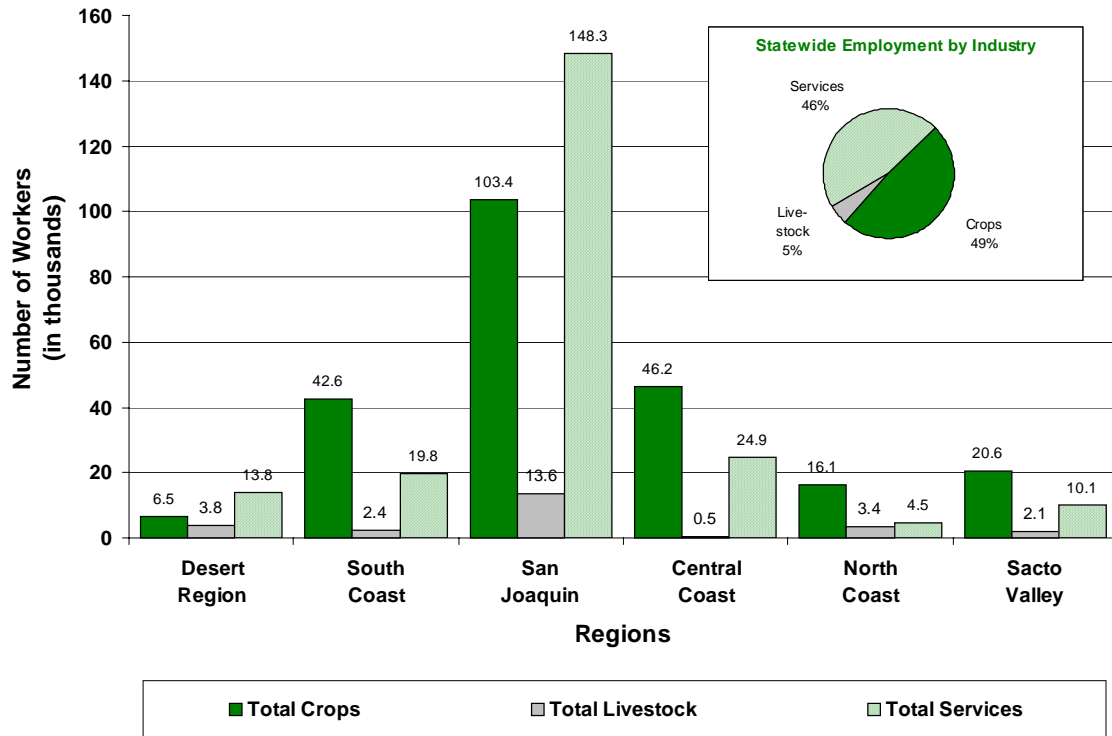
During the month, work in fields heightened under favorable conditions in most areas. Fields were prepared for the planting of fall crops. Fall melons, broccoli, cauliflower, and lettuce were planted. Work crews were also busy with treatment and harvesting activities. Rice, cotton, sugarbeet, and alfalfa fields were irrigated, weeded, and sprayed for insects. Corn silage harvest was active in most growing areas and the harvesting of watermelons and cantaloupes continued. Work crews also harvested sugarbeets, cilantro, leeks, onions, garlic, squash, lemon grass, sweet corn, melons, tomatoes, carrots, cucumbers, peppers, sweet potatoes, chives, eggplant, mushrooms, safflower, okra, radishes, and various beans. Alfalfa and sudan grass were cut for hay or greenchopped.

Vineyards were active as the harvest of table grapes gained momentum in the San Joaquin Valley. Grapes for raisins were laid and the picking of early wine grapes continued. Pear harvesting continued in the North Coast, Sacramento Valley and San Joaquin Valley regions. Work crews were still actively picking nectarines, plums, peaches, and early variety apples. Apple trees were also treated for codling moths. Valencia oranges and lemons were picked in southern California. Other cultural activities included extensive weed control and irrigation of vineyards and orchards.

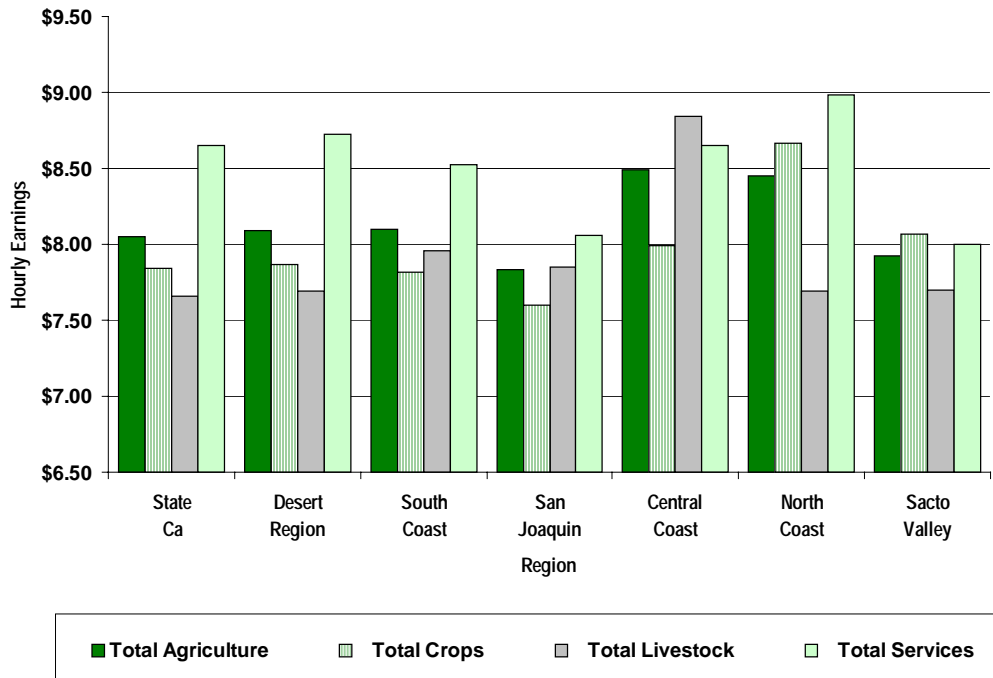
Feeder cattle continued to be shipped from summer pastures to market.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	483.0	476.0	485.8
Total Agricultural Production/Crops	235.8	265.7	234.6
Cash Grains	2.4	7.1	2.7
Rice	0.5	4.0	1.4
Other Cash Grains	1.9	3.1	1.3
Field Crops Except Grains	20.0	23.3	14.4
Cotton	4.6	7.3	7.9
Other Field Crops	15.4	16.0	6.5
Vegetables and Melons	56.7	68.3	39.9
Total Fruits and Tree Nuts	94.9	94.0	110.6
Berries	17.8	19.3	19.1
Grapes	33.5	32.1	43.0
Tree Nuts	9.0	9.0	8.6
Citrus Fruits	2.4	2.0	5.6
Deciduous Tree Fruit	15.9	14.5	24.8
Other Fruits & Nuts	16.3	17.1	9.5
Total Horticultural Specialties	33.5	36.9	34.2
Ornamental Floral & Nursery	31.4	34.9	30.7
Food Crops Grown Under Cover	2.1	2.0	3.5
General Farm Primarily Crop	28.3	36.1	32.8
Agricultural Production/Livestock	25.8	29.8	27.1
Beef Cattle Feed Lots	0.4	0.5	0.4
Beef Cattle Except Feed Lots	2.2	3.7	3.4
Dairy Farms	11.3	11.4	15.0
Chicken Eggs	5.6	4.2	2.5
Turkey & Turkey Eggs	1.8	1.1	0.8
Other Livestock	4.5	8.9	5.0
Total Agricultural Services	221.4	180.5	224.1
Soil Preparation Services	2.0	2.8	1.5
Crop Services	42.6	45.9	53.7
Plant Cultivate & Protection	5.8	6.5	7.0
Harvest Primarily by Machine	5.1	3.5	7.4
Preparation Services for Market	31.4	35.6	38.8
Cotton Ginning	0.3	0.3	0.5
Total Farm Labor & Management	176.8	131.8	168.9
Farm Labor Contractors	159.7	120.0	159.3
Farm Management Services	17.1	11.8	9.6

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	8.05	8.02	7.53
Total Agricultural Production/Crops	7.84	7.86	7.15
Cash Grains	7.97	8.11	7.46
Rice	7.30	8.49	7.79
Other Cash Grains	8.64	7.74	7.13
Field Crops Except Grains	7.72	7.74	6.83
Cotton	6.97	7.70	6.80
Other Field Crops	8.47	7.77	6.85
Vegetables and Melons	8.14	7.94	7.45
Total Fruits and Tree Nuts	7.78	7.79	6.86
Berries	7.24	8.22	6.65
Grapes	7.61	7.90	7.00
Tree Nuts	7.50	7.81	7.00
Citrus Fruits	8.06	7.75	7.15
Deciduous Tree Fruit	8.05	7.25	6.43
Other Fruits & Nuts	8.19	7.82	6.93
Total Horticultural Specialties	8.18	7.88	7.56
Ornamental Floral & Nursery	8.16	8.10	6.99
Food Crops Grown Under Cover	8.20	7.66	8.13
General Farm Primarily Crop	7.25	7.72	6.73
Agricultural Production/Livestock	7.66	7.60	7.57
Beef Cattle Feed Lots	8.10	8.05	7.15
Beef Cattle Except Feed Lots	7.74	8.05	8.14
Dairy Farms	8.15	8.39	7.95
Chicken Eggs	6.78	6.44	7.11
Turkey & Turkey Eggs	6.75	6.54	7.57
Other Livestock	8.44	8.16	7.50
Total Agricultural Services	8.65	8.58	7.88
Soil Preparation Services	9.04	9.15	8.87
Crop Services	8.82	8.88	7.84
Plant Cultivate & Protection	8.71	8.21	7.55
Harvest Primarily by Machine	8.63	8.63	7.83
Preparation Services for Market	8.28	8.04	7.54
Cotton Ginning	9.67	10.65	8.45
Total Farm Labor & Management	8.08	7.72	6.93
Farm Labor Contractors	7.73	7.37	6.81
Farm Management Services	8.44	8.07	7.06

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	71.6	70.6	71.6
Total Agricultural Products/Crops	46.2	44.6	44.4
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	6.7	4.8	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	6.7	4.8	0.2
Vegetables and Melons	15.9	18.6	17.1
Total Fruits and Tree Nuts	13.3	9.6	15.4
Berries	9.8	7.4	13.0
Grapes	0.0	0.1	1.2
Tree Nuts	0.1	0.2	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.6	0.2	0.9
Other Fruits & Nuts	2.8	1.7	0.2
Total Horticultural Specialties	9.2	9.2	8.8
Ornamental Floral & Nursery	7.5	7.3	6.7
Food Crops Grown Under Cover	1.7	1.9	2.1
General Farm Primarily Crop	1.1	2.4	2.9
Agricultural Production/Livestock	0.5	0.8	1.1
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.5
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.5	0.8	0.3
Total Agricultural Services	24.9	25.2	26.1
Soil Preparation Services	0.0	0.9	0.3
Crop Services	10.7	5.6	10.1
Plant Cultivate & Protection	0.0	1.8	0.7
Harvest Primarily by Machine	3.6	1.4	2.0
Preparation Services for Market	7.1	2.4	7.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	14.2	18.7	15.7
Farm Labor Contractors	12.5	18.7	14.8
Farm Management Services	1.7	0.0	0.9

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	8.50	8.36	7.77
Total Agricultural Products/Crops	8.00	8.20	7.59
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.33	8.57	6.75
Cotton	na	na	na
Other Field Crops	8.33	8.57	6.75
Vegetables and Melons	8.44	8.69	8.10
Total Fruits and Tree Nuts	8.25	7.70	7.28
Berries	8.25	8.45	7.10
Grapes	na	7.28	6.85
Tree Nuts	7.82	8.00	7.60
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.13	7.40	6.85
Other Fruits & Nuts	8.79	7.36	8.00
Total Horticultural Specialties	8.30	8.13	7.83
Ornamental Floral & Nursery	8.37	8.20	7.15
Food Crops Grown Under Cover	8.23	8.06	8.50
General Farm Primarily Crop	6.66	7.89	7.16
Agricultural Production/Livestock	8.84	8.52	7.61
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	7.90
Dairy Farms	na	na	7.85
Chicken Eggs	na	na	7.00
Turkey & Turkey Eggs	na	na	7.50
Other Livestock	8.84	8.52	7.80
Total Agricultural Services	8.65	8.35	8.10
Soil Preparation Services	na	9.00	9.19
Crop Services	9.03	8.46	8.03
Plant Cultivate & Protection	na	8.38	7.75
Harvest Primarily by Machine	9.30	9.13	7.85
Preparation Services for Market	8.76	7.87	8.50
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.27	7.60	7.07
Farm Labor Contractors	8.04	7.60	6.88
Farm Management Services	8.50	na	7.25

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	24.1	25.7	27.8
Total Agricultural Production/Crops	6.5	8.9	9.1
Cash Grains	0.0	0.0	0.2
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.2
Field Crops Except Grains	2.0	1.0	1.9
Cotton	0.0	0.0	0.0
Other Field Crops	2.0	1.0	1.9
Vegetables and Melons	0.7	1.3	1.5
Total Fruits and Tree Nuts	1.2	2.5	2.2
Berries	0.0	0.0	0.1
Grapes	0.5	1.0	0.7
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.1	0.0	0.5
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	0.6	1.5	0.7
Total Horticultural Specialties	1.1	1.6	1.4
Ornamental Floral & Nursery	1.1	1.6	1.3
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.5	2.5	1.9
Agricultural Production/Livestock	3.8	6.1	5.4
Beef Cattle Feed Lots	0.3	0.2	0.2
Beef Cattle Except Feed Lots	0.0	1.6	0.5
Dairy Farms	1.0	1.3	2.8
Chicken Eggs	2.4	2.4	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.1	0.6	0.7
Total Agricultural Services	13.8	10.7	13.3
Soil Preparation Services	0.3	0.4	0.2
Crop Services	1.8	1.8	3.8
Plant Cultivate & Protection	1.2	0.3	0.5
Harvest Primarily by Machine	0.6	0.6	1.1
Preparation Services for Market	0.0	0.9	2.2
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	11.7	8.5	9.3
Farm Labor Contractors	10.7	7.4	8.7
Farm Management Services	1.0	1.1	0.6

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	8.09	8.11	7.31
Total Agricultural Production/Crops	7.86	7.98	6.90
Cash Grains	na	na	6.75
Rice	na	na	na
Other Cash Grains	na	na	6.75
Field Crops Except Grains	8.80	8.28	6.65
Cotton	na	na	na
Other Field Crops	8.80	8.28	6.65
Vegetables and Melons	7.62	7.53	6.92
Total Fruits and Tree Nuts	7.86	8.12	6.56
Berries	na	na	6.10
Grapes	7.27	7.60	7.00
Tree Nuts	na	na	6.20
Citrus Fruits	7.88	na	7.05
Deciduous Tree Fruit	na	na	6.25
Other Fruits & Nuts	8.44	8.63	6.75
Total Horticultural Specialties	8.50	8.56	7.39
Ornamental Floral & Nursery	8.50	8.56	6.77
Food Crops Grown Under Cover	na	na	8.00
General Farm Primarily Crop	6.53	7.43	7.15
Agricultural Production/Livestock	7.69	7.94	7.61
Beef Cattle Feed Lots	7.45	7.60	7.05
Beef Cattle Except Feed Lots	na	7.94	7.90
Dairy Farms	8.19	8.87	9.05
Chicken Eggs	6.87	6.52	6.85
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.25	8.79	7.20
Total Agricultural Services	8.72	8.41	7.41
Soil Preparation Services	9.72	9.05	8.55
Crop Services	8.44	8.31	6.80
Plant Cultivate & Protection	8.99	8.42	6.80
Harvest Primarily by Machine	7.88	8.55	6.71
Preparation Services for Market	na	7.95	6.90
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.01	7.87	6.88
Farm Labor Contractors	7.97	7.98	6.84
Farm Management Services	8.05	7.76	6.91

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	24.0	22.8	18.2
Total Agricultural Production/Crops	16.1	15.6	13.1
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.2	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.0	0.0
Vegetables and Melons	3.0	3.5	0.4
Total Fruits and Tree Nuts	10.8	9.3	10.7
Berries	0.0	0.0	0.1
Grapes	9.8	8.8	8.4
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	1.0	0.5	1.9
Other Fruits & Nuts	0.0	0.0	0.2
Total Horticultural Specialties	1.1	0.6	1.6
Ornamental Floral & Nursery	1.1	0.6	1.4
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	1.0	2.2	0.4
Agricultural Production/Livestock	3.4	2.9	1.8
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.2
Dairy Farms	2.0	2.2	1.0
Chicken Eggs	0.9	0.2	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.3	0.3	0.4
Total Agricultural Services	4.5	4.3	3.3
Soil Preparation Services	0.0	0.0	0.1
Crop Services	0.0	0.0	0.8
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	4.5	4.3	2.5
Farm Labor Contractors	1.7	0.7	1.1
Farm Management Services	2.8	3.6	1.4

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	8.45	8.32	7.60
Total Agricultural Production/Crops	8.67	8.63	7.20
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.73	na	na
Cotton	na	na	na
Other Field Crops	8.73	na	na
Vegetables and Melons	9.33	9.12	8.00
Total Fruits and Tree Nuts	8.40	8.12	7.24
Berries	na	na	na
Grapes	8.57	8.80	8.05
Tree Nuts	na	na	7.25
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.22	7.43	7.05
Other Fruits & Nuts	na	na	6.60
Total Horticultural Specialties	8.70	8.44	7.25
Ornamental Floral & Nursery	8.70	8.44	6.75
Food Crops Grown Under Cover	na	na	7.75
General Farm Primarily Crop	8.17	8.86	6.30
Agricultural Production/Livestock	7.69	7.57	7.70
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	7.50	7.75	8.20
Dairy Farms	7.91	7.93	7.25
Chicken Eggs	7.26	6.79	7.55
Turkey & Turkey Eggs	na	na	7.70
Other Livestock	8.10	7.80	7.80
Total Agricultural Services	8.99	8.75	7.91
Soil Preparation Services	na	na	9.00
Crop Services	na	na	7.50
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	7.50
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.99	8.75	7.23
Farm Labor Contractors	8.55	7.87	6.55
Farm Management Services	9.42	9.63	7.90

na = not available

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	64.8	68.5	61.3
Total Agricultural Production/Crops	42.6	52.4	41.3
Cash Grains	0.0	0.0	0.2
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.2
Field Crops Except Grains	1.4	2.4	0.4
Cotton	0.0	0.0	0.1
Other Field Crops	1.4	2.4	0.3
Vegetables and Melons	5.3	8.5	8.6
Total Fruits and Tree Nuts	15.7	21.2	11.2
Berries	7.9	11.9	5.8
Grapes	1.0	0.5	1.7
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	1.5	1.7	1.9
Deciduous Tree Fruit	0.0	0.0	0.2
Other Fruits & Nuts	5.3	7.1	1.5
Total Horticultural Specialties	16.0	16.9	16.6
Ornamental Floral & Nursery	16.0	16.8	15.8
Food Crops Grown Under Cover	0.0	0.1	0.8
General Farm Primarily Crop	4.2	3.4	4.3
Agricultural Production/Livestock	2.4	5.5	2.1
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.0	0.3
Dairy Farms	0.2	0.2	0.2
Chicken Eggs	1.1	1.0	0.5
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.0	4.3	1.1
Total Agricultural Services	19.8	10.6	17.9
Soil Preparation Services	1.3	1.1	0.2
Crop Services	2.5	1.1	3.7
Plant Cultivate & Protection	1.5	0.7	0.6
Harvest Primarily by Machine	0.0	0.0	0.4
Preparation Services for Market	1.0	0.4	2.7
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	16.0	8.4	14.0
Farm Labor Contractors	11.9	6.1	12.8
Farm Management Services	4.1	2.3	1.2

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	8.10	8.01	7.64
Total Agricultural Production/Crops	7.82	7.64	7.08
Cash Grains	na	na	7.00
Rice	na	na	na
Other Cash Grains	na	na	7.00
Field Crops Except Grains	8.15	7.56	6.78
Cotton	na	na	6.75
Other Field Crops	8.15	7.56	6.80
Vegetables and Melons	8.48	7.64	7.17
Total Fruits and Tree Nuts	7.50	8.29	6.90
Berries	7.13	7.99	6.95
Grapes	7.00	8.75	6.80
Tree Nuts	na	na	7.10
Citrus Fruits	7.75	8.12	7.65
Deciduous Tree Fruit	na	na	5.90
Other Fruits & Nuts	8.10	8.29	7.00
Total Horticultural Specialties	8.20	7.59	7.71
Ornamental Floral & Nursery	8.20	7.92	6.82
Food Crops Grown Under Cover	na	7.25	8.60
General Farm Primarily Crop	6.77	7.13	6.85
Agricultural Production/Livestock	7.96	7.89	7.93
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	7.63	na	8.11
Dairy Farms	8.43	8.43	8.50
Chicken Eggs	6.11	5.90	6.90
Turkey & Turkey Eggs	na	na	na
Other Livestock	9.67	9.34	8.20
Total Agricultural Services	8.53	8.49	7.91
Soil Preparation Services	9.21	9.61	8.35
Crop Services	8.36	8.48	7.72
Plant Cultivate & Protection	8.64	8.37	7.50
Harvest Primarily by Machine	na	na	7.80
Preparation Services for Market	8.08	8.58	7.85
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.01	7.40	7.66
Farm Labor Contractors	7.70	7.01	7.89
Farm Management Services	8.32	7.78	7.43

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	265.3	242.0	268.0
Total Agricultural Production/Crops	103.4	107.2	100.6
Cash Grains	1.4	1.2	0.5
Rice	0.0	0.0	0.1
Other Cash Grains	1.4	1.2	0.4
Field Crops Except Grains	8.2	12.8	10.6
Cotton	4.6	7.3	7.8
Other Field Crops	3.6	5.5	2.8
Vegetables and Melons	23.7	23.0	8.6
Total Fruits and Tree Nuts	46.7	41.1	59.3
Berries	0.1	0.0	0.1
Grapes	21.7	21.0	30.1
Tree Nuts	5.7	4.8	5.6
Citrus Fruits	0.8	0.3	3.1
Deciduous Tree Fruit	11.2	10.0	14.9
Other Fruits & Nuts	7.2	5.0	5.5
Total Horticultural Specialties	5.6	7.1	3.7
Ornamental Floral & Nursery	5.6	7.1	3.6
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	17.8	22.0	17.9
Agricultural Production/Livestock	13.6	12.9	15.0
Beef Cattle Feed Lots	0.1	0.3	0.2
Beef Cattle Except Feed Lots	1.1	1.2	1.3
Dairy Farms	7.2	7.2	10.4
Chicken Eggs	1.2	0.6	0.6
Turkey & Turkey Eggs	1.8	1.1	0.6
Other Livestock	2.2	2.5	1.9
Total Agricultural Services	148.3	121.9	152.4
Soil Preparation Services	0.4	0.4	0.6
Crop Services	25.4	35.3	32.0
Plant Cultivate & Protection	2.9	3.4	4.4
Harvest Primarily by Machine	0.9	1.2	3.5
Preparation Services for Market	21.3	30.4	23.6
Cotton Ginning	0.3	0.3	0.5
Total Farm Labor & Management	122.5	86.2	119.8
Farm Labor Contractors	115.0	81.4	115.0
Farm Management Services	7.5	4.8	4.8

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	7.84	7.80	7.56
Total Agricultural Production/Crops	7.60	7.50	6.96
Cash Grains	8.85	7.90	7.68
Rice	na	na	8.00
Other Cash Grains	8.85	7.90	7.35
Field Crops Except Grains	7.53	7.27	6.78
Cotton	6.97	7.70	6.85
Other Field Crops	8.09	6.83	6.70
Vegetables and Melons	7.13	7.19	6.90
Total Fruits and Tree Nuts	7.46	7.35	6.58
Berries	6.35	na	6.45
Grapes	7.38	7.56	6.70
Tree Nuts	7.23	7.59	6.84
Citrus Fruits	8.54	7.38	6.75
Deciduous Tree Fruit	7.78	6.96	6.00
Other Fruits & Nuts	7.48	7.26	6.75
Total Horticultural Specialties	7.44	7.68	7.33
Ornamental Floral & Nursery	7.44	7.68	7.33
Food Crops Grown Under Cover	na	na	8.10
General Farm Primarily Crop	7.21	7.61	6.50
Agricultural Production/Livestock	7.85	7.68	7.59
Beef Cattle Feed Lots	8.75	8.50	7.25
Beef Cattle Except Feed Lots	7.93	8.23	8.80
Dairy Farms	8.71	8.89	7.85
Chicken Eggs	6.86	6.54	7.25
Turkey & Turkey Eggs	6.75	6.54	7.50
Other Livestock	8.08	7.37	6.90
Total Agricultural Services	8.06	8.22	8.14
Soil Preparation Services	8.20	8.93	9.75
Crop Services	8.51	8.61	8.13
Plant Cultivate & Protection	8.18	8.04	8.15
Harvest Primarily by Machine	8.72	8.35	9.00
Preparation Services for Market	7.48	7.39	6.90
Cotton Ginning	9.67	10.65	8.45
Total Farm Labor & Management	7.47	7.13	6.53
Farm Labor Contractors	7.05	7.16	6.46
Farm Management Services	7.89	7.09	6.60

na = not available

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	32.8	46.4	38.8
Total Agricultural Production/Crops	20.6	37.0	26.1
Cash Grains	1.0	5.9	1.8
Rice	0.5	4.0	1.3
Other Cash Grains	0.5	1.9	0.5
Field Crops Except Grains	1.5	2.3	1.3
Cotton	0.0	0.0	0.0
Other Field Crops	1.5	2.3	1.3
Vegetables and Melons	8.1	13.4	3.7
Total Fruits and Tree Nuts	7.2	10.3	11.8
Berries	0.0	0.0	0.0
Grapes	0.5	0.7	0.9
Tree Nuts	3.2	4.0	2.6
Citrus Fruits	0.0	0.0	0.1
Deciduous Tree Fruit	3.1	3.8	6.8
Other Fruits & Nuts	0.4	1.8	1.4
Total Horticultural Specialties	0.1	1.5	2.1
Ornamental Floral & Nursery	0.1	1.5	1.9
Food Crops Grown Under Cover	0.4	0.0	0.2
General Farm Primarily Crop	2.7	3.6	5.4
Agricultural Production/Livestock	2.1	1.6	1.7
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.8	0.7	0.6
Dairy Farms	0.9	0.5	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.4	0.4	0.6
Total Agricultural Services	10.1	7.8	11.0
Soil Preparation Services	0.0	0.0	0.1
Crop Services	2.2	2.1	3.3
Plant Cultivate & Protection	0.2	0.3	0.8
Harvest Primarily by Machine	0.0	0.3	0.4
Preparation Services for Market	2.0	1.5	2.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	7.9	5.7	7.6
Farm Labor Contractors	7.9	5.7	6.9
Farm Management Services	0.0	0.0	0.7

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Aug 1999	Jul 1999	Aug 1998
Total Agriculture	7.92	7.59	7.33
Total Agricultural Production/Crops	8.07	7.63	7.13
Cash Grains	7.86	8.03	7.50
Rice	7.30	8.49	7.57
Other Cash Grains	8.42	7.57	7.42
Field Crops Except Grains	8.69	7.63	7.37
Cotton	na	na	na
Other Field Crops	8.69	7.63	7.37
Vegetables and Melons	7.86	7.44	7.60
Total Fruits and Tree Nuts	7.88	7.50	6.66
Berries	na	na	na
Grapes	7.85	7.43	6.62
Tree Nuts	7.44	7.84	7.00
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.06	7.19	6.52
Other Fruits & Nuts	8.16	7.55	6.50
Total Horticultural Specialties	7.96	7.81	7.48
Ornamental Floral & Nursery	7.75	7.81	7.11
Food Crops Grown Under Cover	8.16	na	7.85
General Farm Primarily Crop	8.15	7.39	6.39
Agricultural Production/Livestock	7.70	7.73	7.42
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	7.90	8.28	7.95
Dairy Farms	7.53	7.81	7.20
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.68	7.11	7.12
Total Agricultural Services	8.00	7.41	7.43
Soil Preparation Services	na	na	8.40
Crop Services	8.92	8.25	7.65
Plant Cultivate & Protection	9.03	7.86	7.55
Harvest Primarily by Machine	na	8.47	7.80
Preparation Services for Market	8.80	8.41	7.60
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.09	6.58	6.25
Farm Labor Contractors	7.09	6.58	6.24
Farm Management Services	na	na	6.25

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment data have been adjusted to reflect a recalculation of the survey sample results. Historical trend information was used to adjust sample data because of a low response rate.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.
- Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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